

What is claimed is:

1. An agricultural system comprising:  
a motorcycle drive unit and a tool assembly; said motorcycle drive unit adapted for  
removable attachment to said tool assembly, wherein said agricultural system is capable of  
farming.

2. The system of claim 1 wherein the tool assembly further comprises:  
a structural chassis; and  
an axle having first and second ends.

3. The system of claim 2 wherein the tool assembly further comprises:  
a first wheel disposed at said first end of said axle; and  
a second wheel disposed at said second end of said axle.

4. The system of claim 3 further comprising a transmission unit comprising a differential  
gear box disposed between said first and second wheels

5. The system according to claim 1 wherein said tool assembly further comprises a multi-  
purpose tool bar for at least one of a cultivator, a seed drill, and a sprayer kit.

6. The system according to claim 1 wherein said tool assembly further comprises a braking  
system.

7. The system according to claim 1 wherein said tool assembly further comprises a lifting  
mechanism.

8. An agricultural system for farming comprising:  
a motorcycle drive unit wherein said motorcycle drive unit is adapted for removable  
attachment to a tool assembly;

4 said tool assembly comprising a structural chassis and an axle having first and second  
5 ends;  
6 a first wheel disposed at said first end of said axle;  
7 a second wheel disposed at said second end of said axle;  
8 a transmission unit comprising a differential gear box disposed between said first and  
9 second wheels;  
10 a multi-purpose tool bar for at least one of a cultivator, a seed drill, and a sprayer kit  
11 mounted on said structural chassis;  
12 a braking system connected to at least one of said first or second wheels; and  
13 a lifting mechanism.

1 9. A method of adapting a motorcycle for farming comprising:  
2 removing a motorcycle drive wheel and motorcycle drive axle from a motorcycle to form  
3 a motorcycle drive unit;  
4 attaching a tool assembly to said motorcycle drive unit; said tool assembly comprising a  
5 tool assembly axle; and  
6 connecting a transmission unit for power delivery from the motorcycle drive unit to said  
7 tool assembly axle, wherein said power delivery is at a reduced speed and increased torque  
8 relative to the speed and torque previously delivered to the motorcycle drive axle.

1 10. A tool assembly comprising:  
2 a chassis capable of being attached to an unmodified motorcycle drive unit, said chassis  
3 suitable for attachment of farm implements; and  
4 a transmission unit capable of being connected to an unmodified motorcycle drive unit  
5 output.

1 11. The tool assembly of claim 10 wherein said transmission unit delivers power from the  
2 motorcycle drive unit output to a tool assembly axle at a reduced speed and increased torque  
3 relative to the speed and torque previously delivered to a motorcycle drive axle.

1 12. The tool assembly of claim 11 wherein said transmission unit includes a differential gear box.

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1 13. The tool assembly of claim 12 wherein said differential gear box is located in a central region  
2 of said tool assembly axle.

1 14. The tool assembly of claim 10 further comprising a lifting mechanism; the lifting mechanism  
2 comprising a multi-purpose tool bar.

1 15. The lifting mechanism of claim 14 further comprising a lever and a pulley.

1 16. The tool assembly of claim 10 further comprising at least one spacer for a tool assembly track  
2 width adjustment.

1 17. The tool assembly of claim 16 wherein the tool assembly track width adjustment allows  
2 independent wheel-spacing adjustment.

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